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numbers search, using sw model own mucreic

Lecember 30, 2002, 12:51:39; search time 57 Seconds Run on.

(Without alignments) 4976.772 Million cell updates/see

US 10-039-836A-3

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DENTITY NOC Scoring table;

Capop 10.0 , Gapext 1.0

44,362 seqs, 15,338381 residues Searched:

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 3%

Listing first 45 summaries Maximum Match 100%

Issued_Patents_NA:* Database :

Prod. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result	1	CHORY	•		:	
Ž	01008	Match	Match Length DB) B		Description
	100.8	6.01	4117	~	US-08-750-457-7	Sequence 7, Appl
7 .	45.4	6.4	46.18	1	US 07 872 679A 36	000
~	40.8	4.4	41.17	~	-08-750-	
· 4	40.4	4.4	76.3	*7	US-09-275-599-14	Sequence 14, Appl
٠,٠	3.4.6	4.4	6.078	-;	US-09-174-914-1	
9	5.4	4.2	440	+3*	US-09-323 195A 3	
1	6,7	4.2	615	4	US-08-998-416-186	
α	5.7	4.2	1172	÷	US-08-969-046.5	
5	3H.2	4.1	1924	7	US-09-424-283-5	L.
	æ	4.1	2741		US-00-570-3670-1	_
=	4.7.R	4.1	555	-:	USS-08-905-223-37	Sequence 37, App.
7	£7.8	4.1	555	==	US-00-247-155-47	
<u>~</u>	37.5	4.1	4526	-	US-04-421-284-7	(-
14	4.7.4	4.1	6857	-7	US-09-454-702B-66	
	47.4	4.0	6.6.5	7	US-08-883-795A-36	9.
c 16	47	4.0	6.78	-	US-07-991-9678-24	
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. 18	47	0.4	6.78	۲4	98 08 544 342 24	
61 .	4.7	4.0	678	4	US-09-470-861A-23	Sequence 23, Appl
07	17	0.4	4718	-;	US 09-424-284-6	6, 1
	47	4.0	6768	-	US-08-107-755A-1	_
. 77	4.7	0.4	8457	_	US-07-931-867B-1	Sequence 1. Appl
17 0	1.7	4.0	8457	~1	US: 08-544-442-1	_`
74	4.7	4)	8457		US-08-370-861A-1	Sequence 1, Appl
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US-104-507-2084 C	US-09 424 195A-1	US-09 477-648-4	08-09-570 - 5670 - 1	US-08-588-258B 27	US-08-4+0-565-27	PCT-BS96-08295-27	US-09-412-285-1	US -09-728-764-1	11.5 10.0 1 75. 15.1A	US-08-426 164-5	US 09 244 814 5	S SEPRE SEST IDE	US 03 316 084-2	US-08-526 964.2	US-08-946 617 2	US-09 041-897-2	US-09-257-770-1
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APPLICANT: WILLIAMS, Hark
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Hilliams of Lagars, Radio Carlos, Second Scharbs, Radio Carlos, Contactor of Lagars, Radio Carlos, Contactor of Lagars, Radio Carlos, Radio 
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Patentin Release #1.0, Version #1.50
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ARFELICAL OF NUMBER, 55.08,750,457
FILING DATE: 21-MAR-1997
CLASSIFICATION: 800
ATTERNATION: 800
ATTERNATION: 800
ATTERNATION: MATTERNATION:
                                                                                                        ; Sequence 7, Aprilication US/08750357; Patent No. 60, e437
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COMPUIER: IBM PC compatible
OPERATING GYSTIM: PC 1835/MS I
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188
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SCONTRY: United States
SCONTRY: United States
COMPUTER ECALVELE FORM:
MEDIUM TYPE: Floppy disk
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IVPE: rucleic acid
STRANDERESS: double
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OTHER INFORMATION: /label Mini
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TITLE OF INVENTION: PERSON OF STAGON ONE!
TITLE OF INVENTION: NON INSULAN BENEMONE: I AND ELS MICLIES
TORRESTOR STORMARS: 48
ADMERICAN ALDRESS:
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COMPUTER: THE PST COMPUTER TO COMPUTE STEEL THE STEEL S
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                                               0; Gaps
Query Match 4.9%; Score 45.1; DB 1; Lougth 3618; Bost Local Similarity 53.0%; Pred. No. 0.0026; Matches 97; Conservative 0; Mismatches 86; Indels 0;
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MEDIUM TYPE: Floppy disk
COMPUTER: IRM PC COMPATABLE
OTHERATING SYSTEM. PC TO SYMS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
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REGISTRATION NUMBER: 19, 300
REFERENTE/DECKET NUMBER: 01803C-150
TELE OMMUNITATION INFORMATION:
TELEPHONE: (703) 836-66-20
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AREH PARTER WURBER, U.S.OS,TTG., TT
FILING DATE: 21-MAR-1997
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Patent No. 6608437
GENERAL ING RMAITON:
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APPLICANT: WILLIAMS, Mark
APPLICANT: LEEMANS, JAN
TITLE OF INVENTION: MALE S
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INPORMATION POR SEQUED NO: 7
SEQUENCE CHARACTERIST (3S:
LENGTH: 4147 base pairs
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CoUNTRY: United States
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CIHER BUCHMANIGH, ZIGAGI XEGI
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4.26 EGATTEATATEATETAACITELITAFAAGAATTALEAFTAAAATTAAACTTEAATT 485
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                                                                                                                                                                              APPLICANT: Rebischant, Carinas
FILLE OF INVENTION: GENERALC FNA CESCHYLK OF ASHBYA GOSAYFIT
FILLE OF INVENTION: AND USES THEREOF
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENE APPLICATION DARS
APELICATION HORBINE, 03/23/998.416
FILLIO DALE: 24-182 1992
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   J. 1919 1 CCC1976
                                                                                                                                                                                                                                                                                                                                                                                                  No. 6249264artis Corporation
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: CH 0016/97 FILLING DATE: 41-DEC-1996 ATFORNEY/AGENT INCHMATER:
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; Patent No. 6455762
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SIAFE: No. 6249264th Carolina
                                                                                                                                                                                                                                                                                                                                                                                                                                           3054 Cornwallis Road
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REFERENCE TO THE FILE OF
TELECOMBUNICATION INFORMATION:
APPLICANT: Steiner, Sabine
APPLICANT: Mohr, Christine
APPLICANT: Wendland, inseen
APPLICANT: Kneehtle, Philipp
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CORRESPONDENCE ADDRESS:
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US+08+998+416+186
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4.18; Scote 38.2; 18.4; Johnth Land-84.38; Pred. No. 0.22;
                                                                                                                                                                                                                                                                                                                                                   Ouery Match 4.2%; Searcher Hast, Friedrich IIIan
Best Local Similarity 54.5%; Prod. No. 2011;
Marches 78; Camservative 0; Mismatches 20; Indeels
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APPLICANT: H., Wen-Jing
TITLE OF INV-NI-SNR Genetic ensineering of trees this-ear.
TITLE OF INVENTORS manipulation of lights tiespathersis
File REFERENCE: 881.0030S1
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APPLICANT: Grimes, et al.
TITLE OF INVENTION: Sucrose binding proteins
FILE REFERENT: 4.6.30-50206
CURRINT PILLING MATE: 1999-11-19
CURRENT FILLING MATE: 1999-11-19
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                                                                                                 CURLIER AFELLIALER HÜBELS. 127 S. 969, 04688 GINGLER FILLS 11-12 UNIMMERS DS. SE, 115 No.S. 15 SOFTWARE: FASSEQ for Windows Version 2.00
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1998-05-21
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PRODE PLILINI PATE: 1998-05-21
PLOK APPLICALION HAMBER: 10. 66/047, 568
PRIOR FILING FATE: 1997-05-22
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US-08-969-046-5
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// Parent No. 6:88881
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; Parent No. 6437219
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SOFTWARE: Patentin Ver. 2.0
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; LacAPTON: (.19)..(1588)
US-09-424-283-5
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                                                                                                                                                                                                  SEC ID NO 5
ENGIH: 1172
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                                                                                                                                                                                                                                                       TYPE: DNA
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0; Gaps
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I Similarity 89.1%; Pred. No. 0.29;
41; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Edwards, Jean-Baptiste D.
APPLICANT: Duelert, Aymeric
APPLICANT: Lacroix, Bruno
NITLE OF INVANTION: 5'ESTS FOR SECRETED PROTEINS
NIMBER OF SEQUENTES: 503
CORRESPONDENTE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LOCATION: 191..206
IDENTIFICATION METHOD: matinspector prediction
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Knobbo, Martens, Olson & Bear
CURRENT ATTLEMENT WITHER TO CONGRESS SET COURRENT FILLING DATE: 2000-05-05 PRIOR APPLICATION NUMBER: US 607-664-754
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: transcription start sile
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Patent No. 6222029
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FELENTAMBUR FATTON INFORMATION:
FELENTAME (619) 2.45-8550
FELENAX: (619) 2.35-0176
INFORMATION FOR SEQ. ID NO: 37:
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                                                                                                       SOFTWARE: Patentin version 3.0
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NAME: ISTACLSON, Ned A.
REGISTRALION NUMBER: 29,6
                                                               PRIOR FILING DATE: 1997-11-07
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PYPE: NUCLEIC ACID
STRANDEDNESS: DOUBLE
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AFFLICATION NOMBER: US
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                                                                                    NUMBER OF SEQ ID NOS: 22
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US-09-570-367C l
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85.7%; Pred. No. 0.18;
tive 2; Mismatches 4; Indels 0
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IDENTIFICATION MITHED: modifiaspecter prediction of High WIDENTION: mad mame APIEJ_OZ
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APPLICANT: Duclert, Aymeric
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sequence TOIGGIGIT
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EARLIES PLEING DATE: 1998-08-10
EARLIES APPLICATION HUBBER, 60,007,273
EARLIES PLLING DATE: 1998-10-04
HUBBER ELLING DATE: 1998-10-04
SOFTWARE PATCHT PM
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OTHER INFORMATION: score 0.963
complement (450..470)
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LOCATION: 547,,555
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CURRENT APPLICATION DATA:
APPLICATION WOMBER, US, CO. 2823, 7325A
FILING DATE: 27-JUN-1997
CLASSIFICATION 4 45
ALIORHWYANER INFURMATION:
NAME: CLAVELEO, MICHELLINE
REGISTRATION NUMBER: 40,261
RUBHERCHING TOWN NUMBER: 7841-052
FELECOMMUNICATION INCOMMATION:
TELECOMMUNICATION INCOMMATION INCO
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IMMEDIALE SOURCE:
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MOLECULE FYPE: CONA
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A maize sesquiterpere cyclase gene induced by insect herbivory and
Volicitin: characterization of wild-type and mutant alleles
Proc. Natl. Acad. Sci. U.S.A. 97 (25): 14907-14912 (2000)
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Proc. Matt. Acad. Sel. U.B.A. 28 (35), page 8929 (2004)
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on or defore Nov 26, 2001 this sequence version replaced q.:czzed
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7. (bases 1 to 226001)
7. H. Shom, B. Ralston, E.J., Zhenq, Z. and Desner, H.K.
Direct, submission
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Agono "eyep45a"
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complement(join(12719, .13170,13252, .14404))
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Zhote "Ji6/Tremža taract sile daplication"
19905. .100704
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/note "Opie2 target site duplication"
22693. .31017
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/note "Ji6/Prem2a qaq protein"
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/protein_id "AAK73106.1"
/db_xret "SI:14719281"
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Zprotein_id "AAK74195.1"
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/qene="daq"
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/protein_id "AAK73104.1"
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Zhote "Ji6/Prem2a $711R"
21118, .151800
Zhote "Ji6/Prem2a"
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Zoote "RIRE2 dad/pol"
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Sabilited (U2 JAN 2012) Department of Coll and Structural Biology,
University of Illinois at CU, 601 S. Goodwin Ave., Urbana, IL
61801, USA
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VVGA FAGL I F I GVSGI I. I NE I I GSDPKVDPMSKI MFHTAVMPPGMAI AYAVSH "
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semeners, INRA, Route de saint Cyr, Versailles 79026 Gedex, FRANCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              257 TTANGGAGGTØTTTGARIGGAATAAAACTAATAGITAGTTGGGTAAAATTGT--TAGTGA 414
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 9.6%: Score 89.2; DB 8; Longth 4695; Best Lyval Similarity 72.1%: Pred. No. 8.9e-11;
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Ziote "Zmsinell: a navei sink element tannd in Zea mays"
Spernalophyta; Maanoliophyta; Ethiqusian: Foares; Foaren: PACT
clade: Panicoldeae; Andropomanes; Zea.
                                                                                                  Zhou, Q. . Lifel . Smith B . Yandestu, M. . Niki Lat. B.J. and
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Submitted (15-00T-2001) Zoolody and Genetics, Lown State University, Ames. Towa 50011, USA
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Znote "target site duplication"
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4047, .4256,5640, .1233)
/ucne-"xl"
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For Mark Microtobale binding profess TARGLED MRNA, complete eds.
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Smith.L.G., Gorttula.S.M., Han.S. and Lovy, J.
Lucteddi: a microtubule binding protein required for the spatial control of cytokinesis in maize.
J. cell Riol. 152 (1), 231-236 (2021).
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Submitted (15-8EP 2000) Riology, U.C.S.D., 9500 Gilman Drive, La
Jeila, CA 92093-0116, USA
                                                                              5442 TABP LANDAR TABPARA TABAR TOTAT AGAI OF TATAGATA AGAI TAGARACA 5501
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Smith, L.G.
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Tourison, L.S., Griffiths, C.M., Thomas, A. Berore S.J. Brocket,
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68.2%; Pred. No. 0.0015;
ntive 0; Mismatches 42; Indels 21;
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tive 0; Mismatches 106; Indels 0;
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SUMMARIES

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A. LCNMENIS

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Rabia wicz.P.D., o shaughnessy, A.L., Enlija, V., Todzia, N.,
Katzeburger, F., Kind, L., Miller B., Molles, S., Nascimento.; Zuldaven, T., McCombie, W.K., and Martlenssen, K.A.
Gencañe shotqun sequences from Zea mays (methyl-filleret)
Unpublished (2002) Contart: W. Richard Mecombie
Lita Annenberg Hazen Genome Sequencina Senter
Cold Spring Harbor Laboratory
PO Fow 100, Cold Spring Harbor, NY 11224, TSA
POL 516, 367, 8884
Fax: 516, 367, 8874 BBB84524.1 GT:22120421 Zea mays. BH884524 Syba mays 3.5 DEFINITION 5H8845247c ORGANISM ACCESS1ON KEYWORDS SOURCE KEFFERNOE JOURNAL. AUTHURS FESULT 1 VERSCON TILLE COMMINI 1,0008

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Spermatophyta: Magnoliophyta: Liliopsida: Poales; Poaceae; PACC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             concry Martch (4.8%) score 146.8; DR 17; Longth 641; Host Local Similarity 87.8%; Prod. No. 6c 27; Matches 172; Conservative 2, Minmatches 22, Indexs 2;

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    Zordanism "Sed mays"
    Corresponding Table 19 (CORE) ACT 8 (2017)

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Anotor Torgan: leart Vector: RescueMu (engineered from pR Neescript backbone); Site_1: Bamili, Site_2: Bg111; RescueMu is a 4.9 kb, modified maize Mn transposou designed to allow plasmid rescue from total genomic DNA. Mu elements insert preferentially into franscription units. For more intornation on RescueMu, go to the web site 'www.zmdb.jastate.edu' and follow the links for 'RescueMu. Grid H was grown at Berkeley in 2001. DNA was extraved from leaf punches, double disested using Hanmil and Pg111, and ligated to form circular plasmids. Diltos with ampleilling.
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Spermatophyta; Magnoliophyta; Eiliopsida; Boales; Poaceae; PACC
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Very probable ligation site found so sequence was trimmed.
Post-ligation sequence submitted separately.
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81.7%; Pred. No. 5.88-26;
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Chote-Torada 1041: Vertor: RescueMu (engineered from PBluescript barkbone); Site_1: BamHI: Site_2: B4111; RescueMu is a 4.9 kb, modified maise Mu transposon designed to allow plasmid rescue from total genomic DNA. Mu elements insert preferentially into transcription win elements insert preferentially into transcription site www.much.iastate.edu and follow the links for KescueMu. Grid I was grown at Berkeley in 2001. BNA was extracted from loaf punches, double digested using BamHI and Hattad to form circular plasmids. DH10B cells weels, where we have the base of the main Ball. and Hattad to form circular plasmids. DH10B cells were.
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Orion Genomics, LLC
4041 Errest Park Ave. St. Louis, Michiler, BSA
Fax: 314-615-6979
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13.7%; Score (26.4; DE 1
87.5%; Pred. No. 4.5e-24;
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(Labses I to 546)
Ridiman, Mar., Preese, R.G., Redell, J.A., Nambera, A.N. and Lakey, N.D. Ganedthresher methylation tillered genomic sequences from maize
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Contact: Redell JA
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dell Forest Park Avo, St. Louis, MO 64108, USA
Fel: 44-615-6979
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site www.Zmdt.iastate.edu and follow the links for
Kescuenhu. Grid I was grown at Berkeley in 2001. DNA was
extracted from leaf punches, double digested using BamHi
and BeHLL and ligated to form circular plasmids. DH10B
cells were transformed and then screened on LB plates with
ampicillin.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Maize genomic sequences found using engineered RescueMu transposou
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ciado: Panicoldeae; Androposoneae; Zea.
                                                                                                         37] PATAGITAAAFTAAGTTGGGCIGTTTGAATGTCTCAACTAATTTAGGCAGTAAGTT 430
254 CACTTAAGGAGGTGTTTGAATGCAAFAAACTAATAGFTAGFTGGCFAAAATTGT--TAG 311
                     312 EGAAATTATGTAG CTAACAAATAGCTAGCTAACTATTAAGTAATTTAGGAAAAATAACT 370
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/hote="organ: leat: Vector: RescueMu (engineered from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Possible ligation site so sequence was trimmed. Post-ligation sequence submitted separately.
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                                                                                                                                                                                                                                                                                                                                                                                                                                         ioddiladob.xi lous · Resenachu drii l kea mays genomic, DNA
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13.0%; Score 119.8; DB-17; Longth 337; 82.0%; Pred, No. 2.60-22; 1ve 0; Mismatches 32; Indels 2;

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site 'www.zmdb.dastate.edu' and foilow the fluxs for
'Rescuebu', Grid G was grewn at Stanford in John, INNA was
extracted from heaf punches, double digested using Rumel
and Bgill, and lighted to form circular plusmids. EHIOH
cells were transformed and then screened on TR plates with
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12.9%; Secret 19.4; Lab 17; Lenath, 8.8;
Hest Local Similarity 86.7%; Pred. n. 3.4mc 22;
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Fax: 650 725 8221
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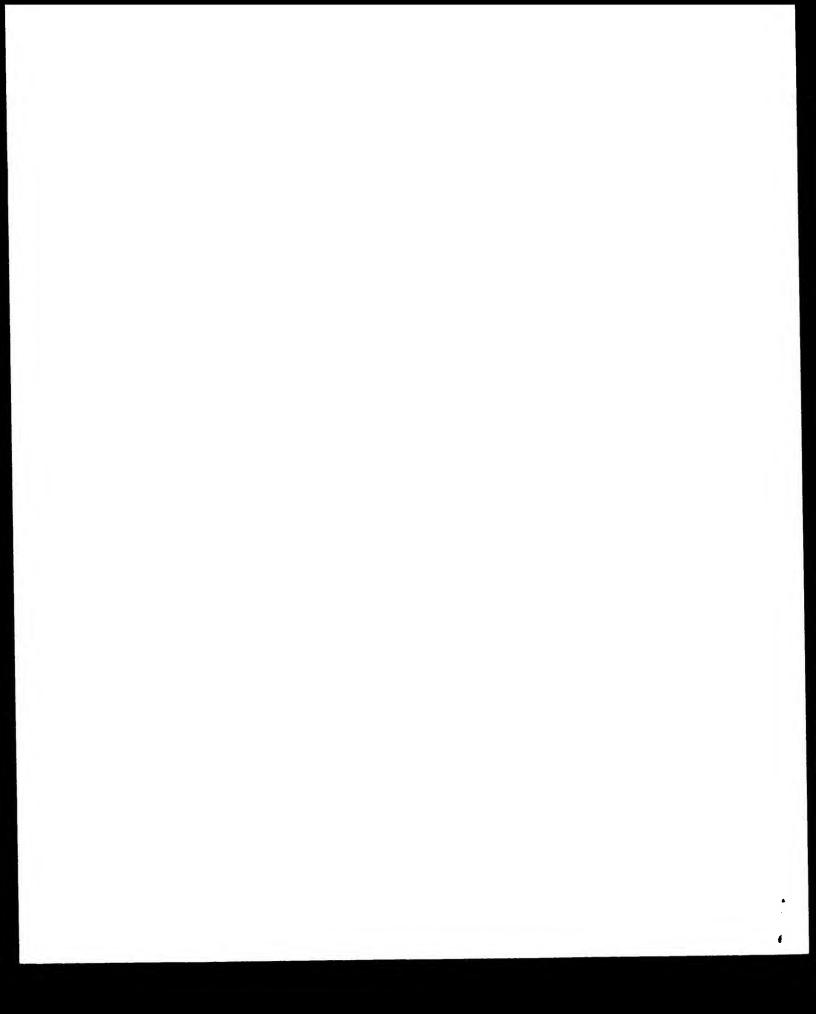
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Genelhresher methylation filtered denomic sequences from maize
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                                                                                                  36] AAAAATAAMTEATAGTTAAATTAFTAAGTTGGGGTGTTTGAATGTGTGTGAACTAATTTTAG 420
                                                                                                                       6. AAAAATAATAATAACTAAACTATI AACTACAATITIIGGATGICCAACTAATITIAG 121
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                          12.9%; Score 119.4; DB-17; Length 525; 74.2%; Pred, No. 4.8e-22; attre - 9; Mismarches 56; Indels 1;
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Ortion Genemics, LLC
4041 Forest Park Ave, St. Lonis, Mo 64108, USA
Fer: 414-615-6979
Fay: 314-615-5978
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FILE REFERITOR: 0504020111
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APPLICANT: STARAKT, VYSRATIVIKT
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; CHRISAL INPERMITERS
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APPLICANT: BH, BRIAN S.

FILE REFERENCE: 65944070141
FILE REFERENCE: 65944070141
FILE REFERENCE: 6594070141
FILE REPERENCE: 659201-22
PRIOR APPLICATION NUMBER: 69/263,224
PRIOR FILING DATE: 2001-01-23
FIRIOR FILING DATE: 2001-01-23
SOFTWARE FILING DATE: 2001-01-23
SOFTWARE FILING DATE: 2001-01-23
SOFTWARE FILING DATE: 2001-01-23
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: Patent No. US200201700955Al
: GENERAL INFORMATION;
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: Patent No. 0820020168364Ai
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PRIOR FILING DATE: 2001-05-15
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Matches 95: Conservative
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               NUMBER of SEA 1D No. 4553
SEQ 1D No. 158
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                                                                                               : 04GANTSM; GlyCinc max
US-09-969-374-198
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APPLICANT: Gereypski, Reginald M
APPLICANT: Gereypski, Reginald M
TITLE OF INVENTION: Methods and Compositions for M-relation for Late FILE REFERENCE: 9759-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: GSTYZYDSKI, Koqinald M.
APPLICANT: Cark, David A.
TITLE OF INVENTION: Methods and Compositions for lamentomeditalist File REFERENCE: 9574-38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Obery March 4.1%; Scote 33: DR 10; Tendth 274-8. Rest Local Similarity 89.1%; Pred. No. 1.8; Matches 41; Conservative C; Hismatches 5; Indexis
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4.1%: Scoto 48: 14-15; Lenath, 27-1;
Best Local Sim arity 89:14; Prod. Mr. 18:
Marches 41: Conservative 0: Mismarches 6: Easte
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Bost Local Similarity: 89.18; Prod. No. . 8;
Matches 41; Conservative 0; Hismatches 5; Hades
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CURRENT APPLICATION NUMBER: 05/09/915,524
CURRENT PILION DAIR: 2001-07-27
PURBENT PILION DAIR: 2001-07-27
PELOR PILION: PATT, 1997-11-07
NUMBER OF SE2 10 NOS: 22
SOFTWARE: PATCHILL VOESION 3.1
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DEFOR ADDITIONATION HOMBER, 02 35,571, 40
PRIOR FILING DATE: 1998-05-05
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Patent No. US20020103151A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 1, Application US/09934634
Patent No. US.6020151485A1
NUMBER OF SEC 10 NOS: 22
SUFTWARE: Patentin version 3.0
                                                                                                                                         TYPE; DNA PROBLEM PROPERTY ORGANISM: MAS MASCULUS
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SEQ 10 No. 4
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NUMBER OF SB2-1D NOS: 5079
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ORGANISM: Hann
                                                                                                                                        US 114 9 48 R42A 45-4
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host Local Similarity 90.9%; Prod. No. 1.5;
Matches 40; Conservative 0; Mismatches 4; Indels 0;
1. ACTATAGGGGACGCGGGGCGGGCCGGGGCGGGGGGGTATTFG: 44.
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APPLICANT: Kellong, JHI A.
HITLE OF INVENTION: MELAN PREMETRY FOR EXPRESSION OF
FILE OF INVENTION: TRANSCHAIS IN PLANTS
FILE REFERENCE: 4257 0025.30
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APPLICANT, K. Hong, JELLA,
LITLE OF INVINITION, MAIGH FRENCTRED FOR IXPRESSION OF
LITLE OF INVINITION, MARCHENENE IN TABLE
FILE REFERENCE: 4.257-00.25.49
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DRICK APPLICATION REMREN: US 69/190,414
PRICK FILLING DATE: 2000-03-12
NUMBER OF SEQ ID NOS: 45
S-FTWARE: FASESEO TOL WINDOWS Version 4.0
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PROGRAPHY STATEM NUMBER: US CO2150,414
PROGRAFILING DATE: 2000-03-17
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: Patent No. BGE922013850A;
: GENEPAL INFORMATION:
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                                                                                                                                                                                                                                                                       the Sh.2 wene. The Sh.2 done encodes a 60 kb protein which is should be in starch production. The Sh.2 protein represents two schoults of the form should be myself confidence of the properties of Sh.2 protein the should be specified by the printiple of the should be specified by the brittle-2 (Ht.2) wene. Abb Gbp catalyses the reversible synthesis of Abb almost and pyrophosphate from Abb and already sis. App-almose is the almosyl done for starch chain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         eiongalion catalysed by starch synthelase. When either the Sh 2 or
Ht 2 gene is present in the homozygous recessive state (sh-2 or bt 2
respectively) the 60 kp or 55kp submnits respectively are not
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    synthesised and little or no functional ADP-GPP is made. Therefore starch synthesis is impaired, sucrose accumulates to 2.4 times the levels of normal sweet corn and the result is "supersweet" corn.
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Super sweet corn plants and seed. have sweet or starely kernels at harvest for tood or seed, respectively
                                                                                                                                                                          This sequence represents the wild type shanken-2 (sh.2) qene. The Sh.2 gene contains a sequence which interferes with plasmid replication which caused difficulties in cloning and sequencing
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concoding a maize phytase protein. The sequence was isolated from a maize denomic DNA library screened with the phytase club sequence (AAV19470). From 18 cloues isolated from the library, 2 classes of cloues were obtained based on their restriction maps. This sequence belongs to the cluss. Slowes and has been constant on the short arm of thromosome 4 between loci unequicibles. The phytase sequence thromosome 4 between loci unequicibles for production of a high level of phytase. The phytase containing it, are used to extract phytase, the phytase, especially for increasing the nutritive quality of edge.
                                                                                                                                                                                                                                                                                                                                                                                                     DNA encoding waite phytase enzyme - usernl for producing recombinant phytase of transquite plants with increased phytase levels
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(TREC) INKLURST KA, KESH ASKOMARIQUE,
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Cherry Mitch

9.68; Score 89.2; DB 19; Length 4695;

Rest Local Similarity

7.218; Fred, No. 4.1e-14;

Prod. No. 4.1e-14;

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AAA51424/0

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This is a rearblory region sequence from the naive (Zea mays) ZMM14 gene which encodes a MIKC-Type MANS-tox potebin. The protein is incorred or in DNA-Ending and is expressed in the upport coors or spybolets of grass inflorescences. The ZMMS and TZM14 and a stabilist was naive to chromosomes; and a respectively, and are stabilist to examise to chromosomes; and a respectively, and are stabilist to example to converse a stable of converse and the respectively and are stable of converse to a stable of converse to a stable of produce transperie plants baying allered level or compacting in the florets of spikelets, for medicaling and the number of produce transperie plants baying allered level or compacting in the spikelets of areas inflorescence, modifying scale partities in the spikelets of areas inflorescence, modifying scale partities in the spikelets of areas inflorescence, modifying scale encymps of lored as being activated as being activated as being activated as being activated as a functional scale may take spikelets at diasa full consequence may take we were as a special confidence and for the whole inflorescence may take we were
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infloresember graßs; ehrembssmar Limenacetyteden; region of y region.
disease resistance: flowering; growth regulator: Lorbiciae cosmass; as
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67.1%; Pref. No. 5.50 00;
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    mays MALGS tox protein ZMM14 qene requiatory sequence

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AAA51324 standard; DNA; 14868 RP
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                                       AAA51324;
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9478 C-1AAAVAATATATATATTATTCASCTATTAGCTATTTAAGAATTAGCTAATAGTT 9420
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                                                                                                                                                                                                   Wild type: shrunken 2: Sh 2: qeney plasmid: replication; Bt 2: starch; sequencing Advertures approphaghorylass; Ahr-GBP, cloning; surtoss; brittle 2: Adverturese; pyrophasphate, AFF, sh-2; bt 2: hydrolysis; thurse; I phesphate; chain clonarion; starch synthetase; hemorypeus;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  378 AAALTATTAAGTTGGGCTGTTTGAATGTCTCAAGTAATTTTAG----CCAGTAAGTTTTAT 434
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The Sh-2 gene. The Sh-2 dependence of 0 kD protein which is involved in starch production. The Sh-2 protein represents two submits at the four submit enzyme ANP directs prophosphorylase (APP GPP). The other two submits of ANP GPP comprise a 55 kD polypoptide encoded by the brittle's (BL-2) quee. ANP-GPP extalyses the reversible synthesis of ANP almose and pyrophosphate from ATP and almost a properties is the vaction is driven by pyrophosphate budentys. ANP-almose is the almosty donor for starch chain clematic nextalysed by statch synthetase. When either the Sh-2 or BL-2 acute is present in the homozycaus recessive state (8h-2 or BL-2 respectively) the GN Br of SSP selently respectively in no not no two functional ANP-GPP is made. Therefore starch synthesis is impaired, sucrose accumulates to 2-4 times the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4: Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             this sequence represents the wild type shrunken 2 (Sh-2) gene. The Sh-2 acme contains a sequence which interteres with plasmid replication which caused difficulties in cloning and sequencing
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50.1%; Pred. No. 9.0031;
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Mar 24g Prod. No. 02045.
18.2 TALLANG LINGGE FOR FORM PROPERTY AND LANDERS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Plunt; maize; DDL a; DDL-b; seed transfer zone; transgenic plant;
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2.441 GTAGGAATTIAGATIAAA, ITT FAAAAGTAGTTGTAACGAAATTAAAAATGGTAAGT 2400
                                                                                                                                                          372 ATAGTTAAATTATTAAGTTGGGGTGTTTGAATGTCTCAACTAATTTTAGCCACTAACTTT 431
312 GAAATPAICTAGTAACAAATAGCIAGCIAACPATAACTAATTTAGGAAAAATAAGTT 371
                                                                                                                                                                                                                    432 TATCLI FAGTGPALICAAAPALGGPATAAGTGFACGITTGAFTTGAGACGGFAGCAFCGF 491
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention relates to prostate specific androgen regulated proteins. The invention may be used to determine an expression level of the prostate especific proteins AKSDR., TMPKSS2, or PART-1 in a fluid sample or prostate cell sample from an individual. It may also be used too disposed predicting in susceptibility of a prostate need still condition in an individual. Inhibitors of the proteins are useful for treating or preventing the progression of a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Polymuch of ide encoding prograte specific androgen regulated polypeptides and inhibitor of the peptides useful for treating or reducing the progression of prostate neoplastic condition in an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Prostate specific androdem regulated protein; ARSDRI; TMPRSS2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 2385 3P; 760 A; 478 C; 418 G; 729 F; 0 other;
                                                                                                                                                                                                                                                                                                                                                                              252) Togantitalanddarittiaaraatici 2549
                                                                                                                                                                                                                                                                                                                                492 GOGTACGGAAGAAGGAAGGALTIT 520
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PARI I promoter requiatory region.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AACB3344 Standard; DNA, 2335 BE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                24-JAN 2000; 2000US-0177751.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24 AFR-1999; 99US-0130278
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                26 FEB 2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         36 Aut 1999;
30 - DBC 1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         02-N-V 2000.
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Human: ds; bisulphite treatment; cpd; DNA methorialism canaver; tussum; cytostatis alpha; cypilla; cyp

Homo sariens.

Human chemically pretreated gene sequence ask strand 2.

21-MAY 20.2 (tirst entry)

ARK 49994 :

ABK 19994 standard; DNA, 9524 BP

RESULT TO

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an array for analysing discusses associated with the methylation state (GPG) and/or detecting SNPs (single numberlike polymentalisms) of the 87 sequences. The oligomers may also be used as PCE primers. The set of 87 markers and their complements is useful for diamosts.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        which hybridises to or is identical to a chemically pretreated DNA or
genes associated with pharmacogenomics and their complements, arranged in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to a nucleur acid comprishes a sequence at least 18 bases in length of a sequent of the clemically fectrated that of tenses asserted and with pharmacoacumics are adding to one of the sequences of the acuses ALDH6 (NM_000093), cVF-11A (NM_000078), cVF-11A (NM_0000078), cVF-11A (NM_000078), cVF-11A (NM_0000078), cVF-11A (NM_000078), cVF-11A (NM_0000078), cVF-11A (NM_00000078), cVF-11A 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New nucleic acid, oligonucleotides and peptide nectors acid catachers useful for actecting cytosine methylation state of actors associated With pharmacocenomics and for therapy of diseases e.g. cancel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             the present sequence
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1tp.WiPO.in/ZeutZpablishod_part_sequences.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 1: SEQ (D No 76: 24pp: English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Olek A. Piepenbrock C. Berlin K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         30-JUN*2000: 20000E-1032529. \\ 01-SEP-2000: 20000E-1043826.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (EPIG-) EPIGENOMICS AG.
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U; Caps

47, Indels

1 ACIAIAGGGACGGGGGGGGGGGGGGGGGGGGGGGATTTGTGTGTCCAAACATTTTGA 60

4.7%; Scote 43.8; DB 21; Length 2385; 60.5%; Pred, No. 0.09;

Pred. No. 0.09; Michalaches

72; Conservative

Best Local Similarity

Query Match Matches

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the present insortion provides a number of human immune system associated grows which are modified by the methylation of cytacines, the sequences can be used in the diagnosis and treatment of immune system disorders, including eye diseases and straingently, necessarilar glancoma and macular determination, arterloselerosis, anaemia, cancer, acute myeloid leukaemia. Alzbeimer's disease, AIBS, epilepsy, neurotibromatesis,
                                                                                                                                                                      189 ATTLI TECHTOTOGACTOLITOTACAFTECATIOGACACAIAIGIATGAACHAAATTA 248
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                                                                                            o; Gaps
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    4.7%; Score 43.6; DB 24; Langth 9524;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          429 ELFTAD TELAGTGCAT FCAACA IGGGATAAG ICTACG IFFGATT IGAG 478
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                                         Fred, No. C.17;
0: Mismatches 154; Indels
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                                    46.98;
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                                    Rest Local Sinflarity 46,9%
Matches 146; Conservative
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Query Match
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The invented form relates to an isolated merby, and the class of the \mathcal{O}_{\mathcal{O}} supported a number of the sequence given in Tables 1.9 (ANV) is APVN, \mathcal{O}_{\mathcal{O}} of the specification of 28 complement (1) is such at a \mathcal{O}_{\mathcal{O}}
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(c) selecting a composition for inhibiting prostate cancer in a patient;
(l) assessing the prostate cell carcingenic potential of a compound;
(g) determining whether prostate cancer has metastasized in a patient;
(h) assessing the agaressiveness or indolence of prostate cancer in a

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                                                                        (d) assessing the efficacy of a therapy for inhibiting prostate cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Nucleic acid, useful for diagnosis and therapy of diseases associated with cell signalling e.g. cancer, comprises chemically modified genomic sequences of genes associated with cell signalling .
                                                                                                                                                                                                                                                                                                                                                          233 TGTATGAA/TAAATTATTGGGGACTTAAGGAGGTGTTTGAATGCAATAAAACTAATAGTT 292
                                                                                                                                                                                                                                                                                                                                                                                    29 FART FGGGTAAAATTGTTAGTGAAATTATGGAAGGAAGAAAAAGGTAFGGAAGTATTAAGT 352
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                                                                                                                                                                                                          (1) is also useful as a pharmacodyanamic or pharmacogenomic marker,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Chemically treated cell simalline DNA sequence complementary towass.
(a) assessing whether a patient is attlicted with prostate cancer;
                    (b) monitoring the progression of prostate cancer in a patient;(c) assessing the efficiety of a test compound to inhibit prostate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Cell signalling, cytosine methylation, cell signalling disease;
                                                                                                                                                                                                                                                                                       4.6%; Score 12.5; DB 23; Length 600; 54.9%; Fred. No. 0.11;
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                                                                                                                                                                                                                                              Sequence 600 BP; 177 A; 97 C; 110 G; 215 T; 1 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 25: AALTTAGGAAAAATAAGTTATAGTTAAATTATT 383
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABL/20162 standard: DNA; 18817 BP
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Matches 8th Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Note: The sequence data for this patent is not represented in the printed specification, but is based on sequence intermation supplied by the
                                                                                                                                                                                                                                                                                                                                     the sequences
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           218 TITCATHOGRAGATATGIATGAACTAAAHTAJTGAAAALTAAGGAGGTGIILGAATGAA 207
                                                                                                                                                                                                                                                                                         and therapy of diseases such as solid tumours and cancer. The sequence of the in records ARLZ0111-ARLZ0826 represent chemically profited genomic FNA's of denos associated with cell signalling.
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